

Boeing Realty Corporation  
4900 E. Conant Street, Building 1  
Long Beach, CA 90808  
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Fax (562) 733-2082

**BOEING**

27 October 2004  
C6-BRC-T-04-039

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
Los Angeles Region  
320 W. 4<sup>th</sup> Street, Suite 200  
Los Angeles, CA 90013



Attention: ATTN: Information Technology Unit

Subject: **COMPLIANCE FILE C1-95-036, ORDER NO. R4-2002-0030,  
WASTE DISCHARGE REQUIREMENTS (WDR),  
THIRD QUARTER 2004 DISCHARGE MONITORING REPORT,  
IN-SITU BIOREMEDIATION PILOT STUDY AT BUILDING 2  
(FILE NO. 95-036, SLIC 0410), BOEING REALTY CORPORATION,  
FORMER C-6 FACILITY, 19503 SOUTH NORMANDIE AVENUE,  
LOS ANGELES, CA**

To Whom It May Concern:

Please find enclosed for your review, a copy of the subject document prepared by Arcadis G&M, Inc. for Boeing Realty Corporation.

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. [CWC Sections 13263, 13267, and 13268]

If you have any questions, please contact the undersigned at 949-790-1920.

Sincerely,

A handwritten signature in black ink, appearing to read 'Mario Stavale'.

Mario Stavale  
Boeing Realty Corporation

Cc: Robert Scott, Boeing Realty Corporation  
Scott Zachary, Haley & Aldrich  
Dan Hess, Sunrider

Enclosure



Infrastructure, buildings, environment, communications

ARCADIS G&M, Inc.  
1400 No. Harbor Boulevard  
Suite 700  
Fullerton  
California 92835-4127  
Tel 714.278.0992  
Fax 714.278.0051

**Transmittal Letter**

To:

**ATTN: Information Technology Unit**  
California Regional Water Quality Control  
Board (RWQCB)  
320 West 4<sup>th</sup> Street, Suite 200  
Los Angeles, California 90013

Copies:

Robert Scott – Boeing (3 copies)  
Scott Zachary – Haley & Aldrich  
Project File

ENVIRONMENTAL

From:

Alistaire Callender, Ph.D.

Date:

25 October 2004

Subject:

Former Boeing C-6 Facility (Building 2  
Area), Los Angeles, California

ARCADIS Project No.:

CA000594.0003.00005

We are sending you:

☒ Attached

☒ Under Separate Cover Via hand delivered the Following Items:

☐ Shop Drawings

☐ Plans

☐ Specifications

☐ Change Order

☐ Prints

☐ Samples

☐ Copy of Letter

☐ Reports

☐ Other:

Copies	Date	Drawing No.	Rev.	Description	Action*
1	10/25/04			Third Quarter 2004 Discharge Monitoring Report	

Action\*

☐ A Approved

☐ CR Correct and Resubmit

☐ Resubmit \_\_\_\_ Copies

☐ AN Approved As Noted

☐ F File

☐ Return \_\_\_\_ Copies

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☐ Review and Comment

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☐ Certified/Registered Mail

☐ United Postal Service (UPS)

☐ FedEx Standard Overnight

☐ FedEx Economy

☐ Other:

Comments:

Page:

1/1



Infrastructure, buildings, environment, communications

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www.arcadis-us.com

**ATTN: Information Technology Unit**  
California Regional Water Quality Control Board  
Los Angeles Region (RWQCB)  
320 West 4th Street, Suite 200  
Los Angeles, California 90013

ENVIRONMENTAL

Subject:  
Third Quarter 2004 Discharge Monitoring Report  
Waste Discharge Requirements Order Number R4-2002-0030 (Series 007)  
Compliance File Number CI-95-036, SLIC 0410  
Project Site: Former Boeing C-6 Facility (Building 2 Area), Los Angeles, California

Date:  
October 25, 2004

Contact:  
Alistaire Callender, Ph.D.

Phone:  
3015

Email:  
acallender@arcadis-us.com

Project Number:  
CA000594.0003.00005

Dear Information Technology Unit:

On behalf of Boeing Realty Corporation (BRC), ARCADIS is submitting this quarterly monitoring report per the Waste Discharge Requirements (WDR) Order Number R4-2002-0030 (Series 007). The purpose of this report and future WDR reports is to provide the Los Angeles Regional Water Quality Control Board (RWQCB) with a summary of amendment and monitoring activities performed at the referenced project site. The site is located at 19503 Normandie Avenue. Figures 1 and 2 illustrate the site location and the site layout, respectively.

This monitoring report summarizes groundwater amendment and monitoring activities performed during the third quarter of 2004. Activities performed to test the amendment system are summarized in Section 1.0. Groundwater monitoring activities performed to evaluate the initial distribution of amendment solution are summarized in Section 2.0. A certification statement is provided in Section 3.0.

## **1.0 Amendment Activities**

During the third quarter, a water test was conducted at several amendment points to evaluate the hydraulic performance of the bioremediation system. The water tests were a completion of tests performed during the second quarter 2004 according to the *Water Test Plan* (Plan) and the *Water Test Plan Addendum* (Addendum) issued by

October 25, 2004

ARCADIS on May 18 and June 28, 2004, respectively. The Plan and the Addendum were approved by the RWQCB on May 21 and June 29, 2004, respectively. The water tests were conducted between June 21 and July 12, 2004. BRC submitted a report documenting the results of the water tests to the RWQCB on September 17, 2004.

Amendment activities for the third quarter 2004 also included the injection of amendment solution into vaults 1 through 4. As of October 8, 2004 the following volumes of solution had been added to the amendment wells since September 20, 2004:

- Vault 1: approximately 48,000 gallons
- Vault 2: approximately 24,000 gallons
- Vault 3: approximately 22,500 gallons
- Vault 4: approximately 19,200 gallons

## **2.0 Monitoring Activities**

Groundwater monitoring was not conducted during the third quarter since injection activities continued beyond the third quarter and into October 2004. Groundwater monitoring will be performed over the fourth quarter 2004 as per the monitoring schedule for post-injection activities (Week 2, Week 6, Week 12, Week 16, Week 21, and Week 36 after injection).

## **3.0 Certification Statement**

I declare under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who managed the system or those directly responsible for gathering the information, the information submitted, is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

**ARCADIS**

LA Regional Water Quality  
Control Board Information  
Technology Unit

October 25, 2004

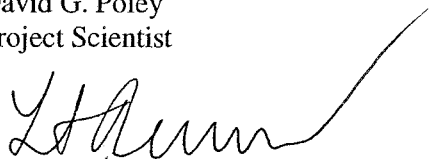
If you have any questions or comments regarding this discharge monitoring report,  
please contact Alistaire Callender or David Poley at (714) 278-0992.

Sincerely,

ARCADIS G&M, Inc.



David G. Poley  
Project Scientist



Trent Henderson, P.E.  
Site Evaluation & Remediation  
Department Manager



Alistaire Callender, Ph.D.  
Project Manager

Copies:

Robert Scott, Boeing Realty Corporation  
Scott Zachary, Haley & Aldrich  
Project File

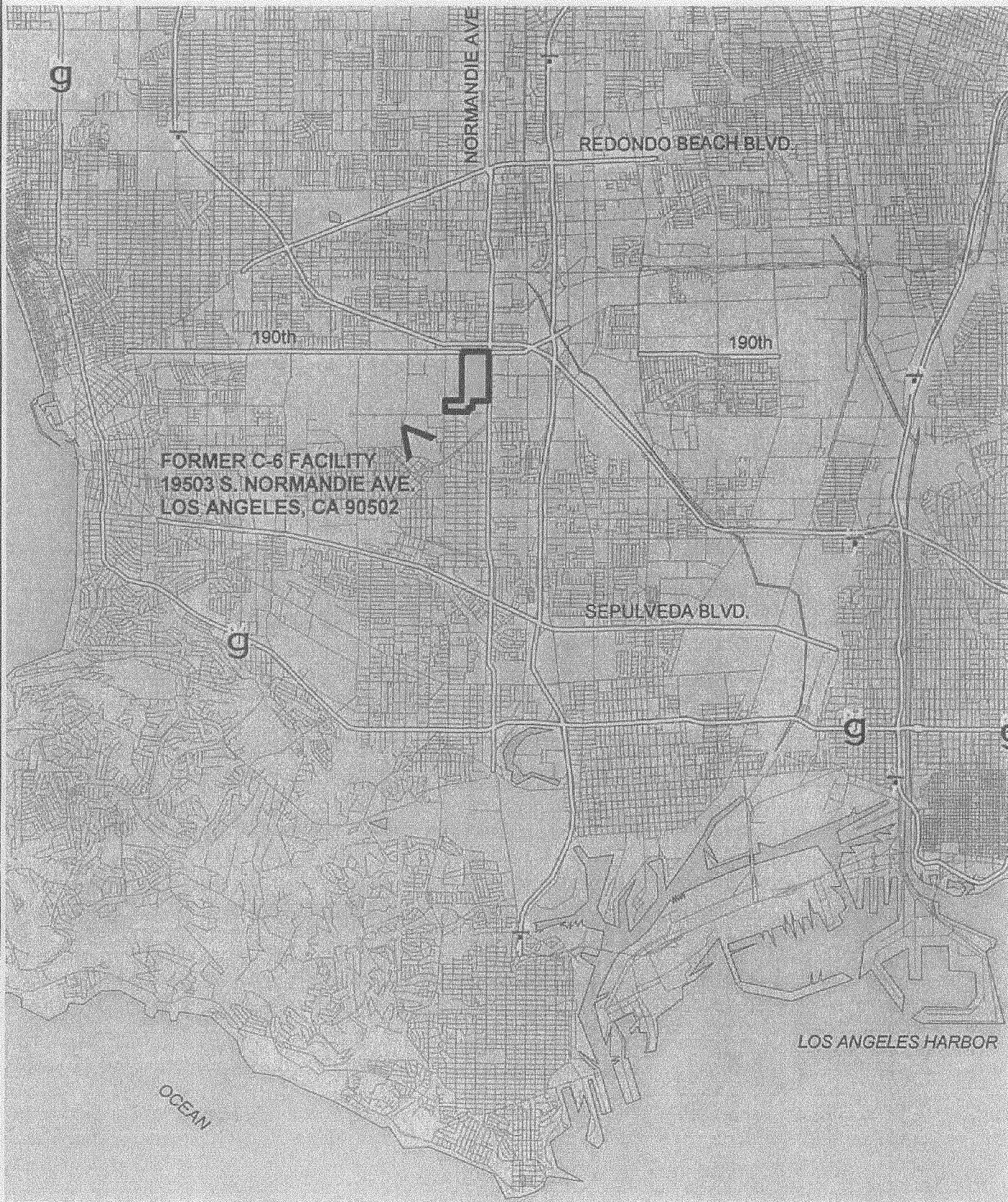
Enclosures:

Figure 1 - Site Location  
Figure 2 - Amendment Point and Monitoring Well Locations

**ARCADIS**

## **Figures**

DATE: 11/5/03 | 13:36 | PRJ#: CA 594.03.01 | DWG: G:\drawings\aproject\boeing\2003\sl-1 | FILE: | CHK: LOTHMAN | PM: NGUYEN | ART: QUINONES



Base map download from 'Tiger File' data website hosted by ESRI.



## SITE LOCATION

BOEING REALTY CORPORATION  
FORMER C-6 FACILITY  
LOS ANGELES, CALIFORNIA

FIGURE

1



